

Date: Mon, 30 May 94 04:30:22 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #145
To: Ham-Homebrew

Ham-Homebrew Digest Mon, 30 May 94 Volume 94 : Issue 145

Today's Topics:

 Need help on inductor
 Need help on inductor winding
 SSB Filters

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 29 May 1994 16:31:03 GMT
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!news.ecn.bgu.edu!
feenix.metronet.com!pubcon!matt.mccullar@network.ucsd.edu
Subject: Need help on inductor
To: ham-homebrew@ucsd.edu

I was always bummed out on electronic projects listed in magazines
whenever they called for some esoteric part that you couldn't get
locally.

The move these days is to publish a standard-type microcontroller
circuit, and then charge folks out the kazoo for the software listing.
Either that, or get it for free by contacting the author or magazine.
Well, that's just great -- but what happens if the author dies, or if
the editorial offices burn down? Radio-Electronics magazine had a
very useful BBS that they posted all the software for projects onto,
but they refused to keep it running and is now defunct. Go figure.

Matt J. McCullar, KJ5BA

Date: Sat, 28 May 1994 14:17:11 GMT
From: psinntp!arrl.org!zlau@uunet.uu.net
Subject: Need help on inductor winding
To: ham-homebrew@ucsd.edu

John Lundgren (Santa Ana CA) (jlundgre@news.kn.PacBell.COM) wrote:
: : secondary? Thanks, and if anyone has info on winding inductors (esp.
: : the oddball subminiature inductor for the 7MHz Optimized Transceiver),
: : I would appreciate a lead on where to find it.

: Remember that some of the projects have been purposely made with
: components that are hard to come up with except by buying them from the
: project author. Some authors sell just a circuit board, and also the
: hard-to-get parts. After all, they want to make money, even without too
: many scruples. They figure the buyer will be back for the hard to
: get/make parts.

Though this is a rather poor example, since Roy sold neither. In fact,
he specifically stated that this project was for ideas, and that people
shouldn't try to duplicate it exactly because he used parts that were
hard to get.... Personally, I'd like to see more articles with great
ideas, even if they are unusable to the kit builders. But, I probably
fall into the minority on this issue...

--
Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 30 May 1994 10:46:18 +0300
From: ihnp4.ucsd.edu!agate!doc.ic.ac.uk!warwick!pipex!sunic!news.funet.fi!
news.cc.tut.fi!proffa.cc.tut.fi!not-for-mail@network.ucsd.edu
Subject: SSB Filters
To: ham-homebrew@ucsd.edu

Elendir (elendir@enst.fr) wrote:

> What I'd like to find out is a 10.7003 to 10.703 Xtal Filter, with at least
> 60 dB at 10.6997 MHz. But a 9 MHz look-alike filter (or any IF) would
> fit also.

It is hard to find asymmetric USB (and LSB) filters these days.
In a few years old design for 9 MHz IF, KVG XFM-9B01 and XFM-9B02
were used. I am not sure which one is LSB and which one is USB as
contradictory information was given in the article.

If you settle for a single symmetrical SSB filter, then different BFO-frequencies for USB and LSB are needed, but the number of suitable filters is much larger. One source for 10.7 MHz filters in England is Cirkit (tel. +44-992-441306).

If you think about a single conversion design, 9 or 10.7 MHz IF is quite low, usable at 144-146 MHz, but if you are going to use it on 70 cm, you should put separate helical front end filters for the 432 MHz DX-band and the 435-438 MHz satellite band.

Paul OH3LWR

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Date: Mon, 30 May 1994 06:14:16 GMT
From: ihnp4.ucsd.edu!news.cerf.net!pagesat.net!pagesat.net!norman@network.ucsd.edu
To: ham-homebrew@ucsd.edu

References <2s0bnm\$ee3@cismsun.univ-lyon1.fr>,
<1994May27.155244.1@ccsvax.sfasu.edu>, <williams.770164780@maui>
Subject : Re: SSB Filters

williams@maui.qualcomm.com (Paul Williamson) writes:

>>> Does someone have any clue regarding a possible US source for these ?
>>> What I'd like to find out is a 10.7003 to 10.703 Xtal Filter, with at least
>>> 60 dB at 10.6997 MHz. But a 9 MHz look-alike filter (or any IF) would
>>> fit also.

I think we have some 8 pole crystal filters in the 10.7 Mhz range. They probably are 7.5Khz wide. We have the exact specs. We would probably sell them to hams for \$10.00 each.

If interested please send me your fax number and I will fax the information.

I know 4khz filters at 10.7 Mhz were used in some Uniden SSB CB rigs.

They were quite good. You could put two in series. I think spare parts prices were in the \$25.00 dollar range.

Norman Gillaspie

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End of Ham-Homebrew Digest V94 #145
